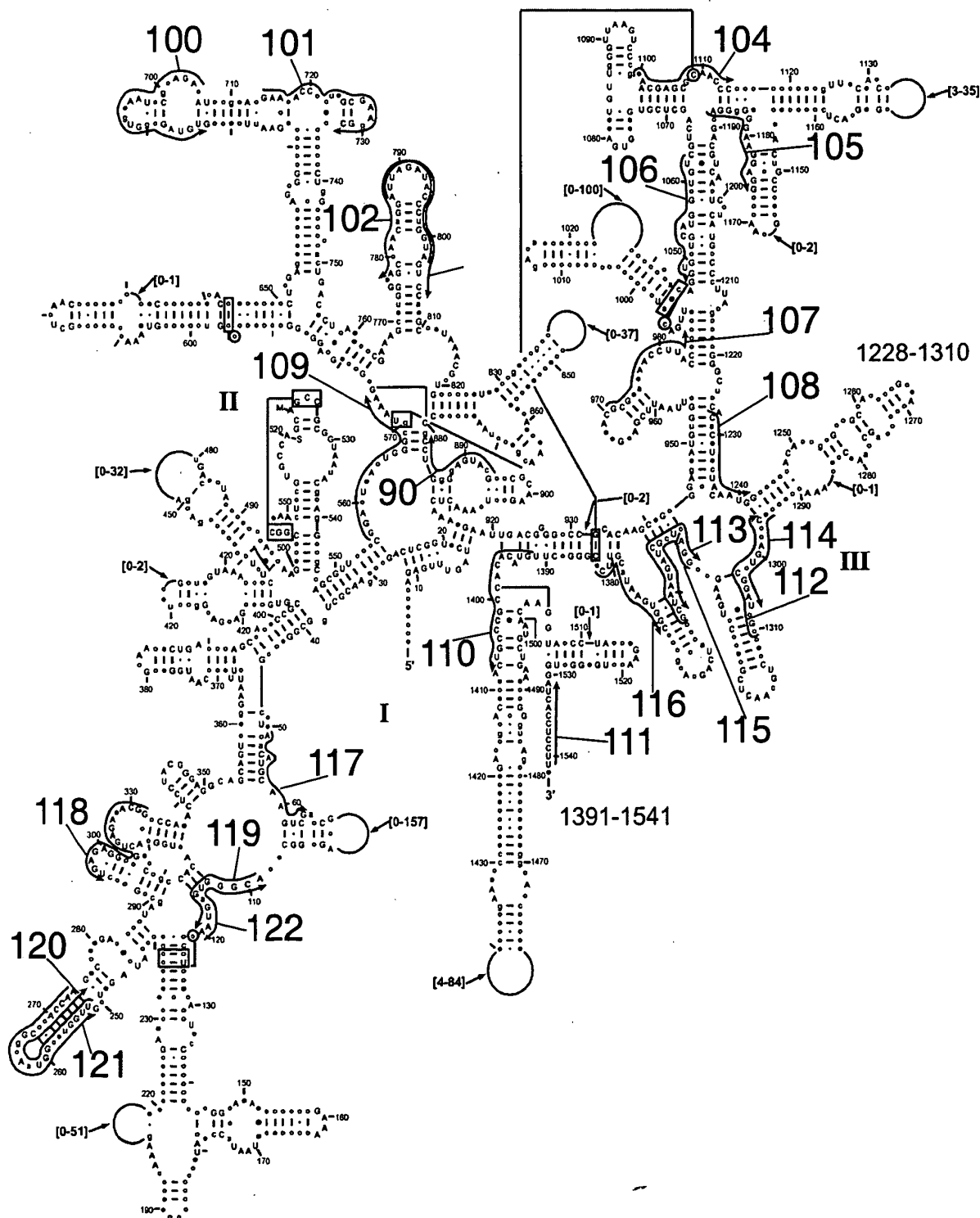


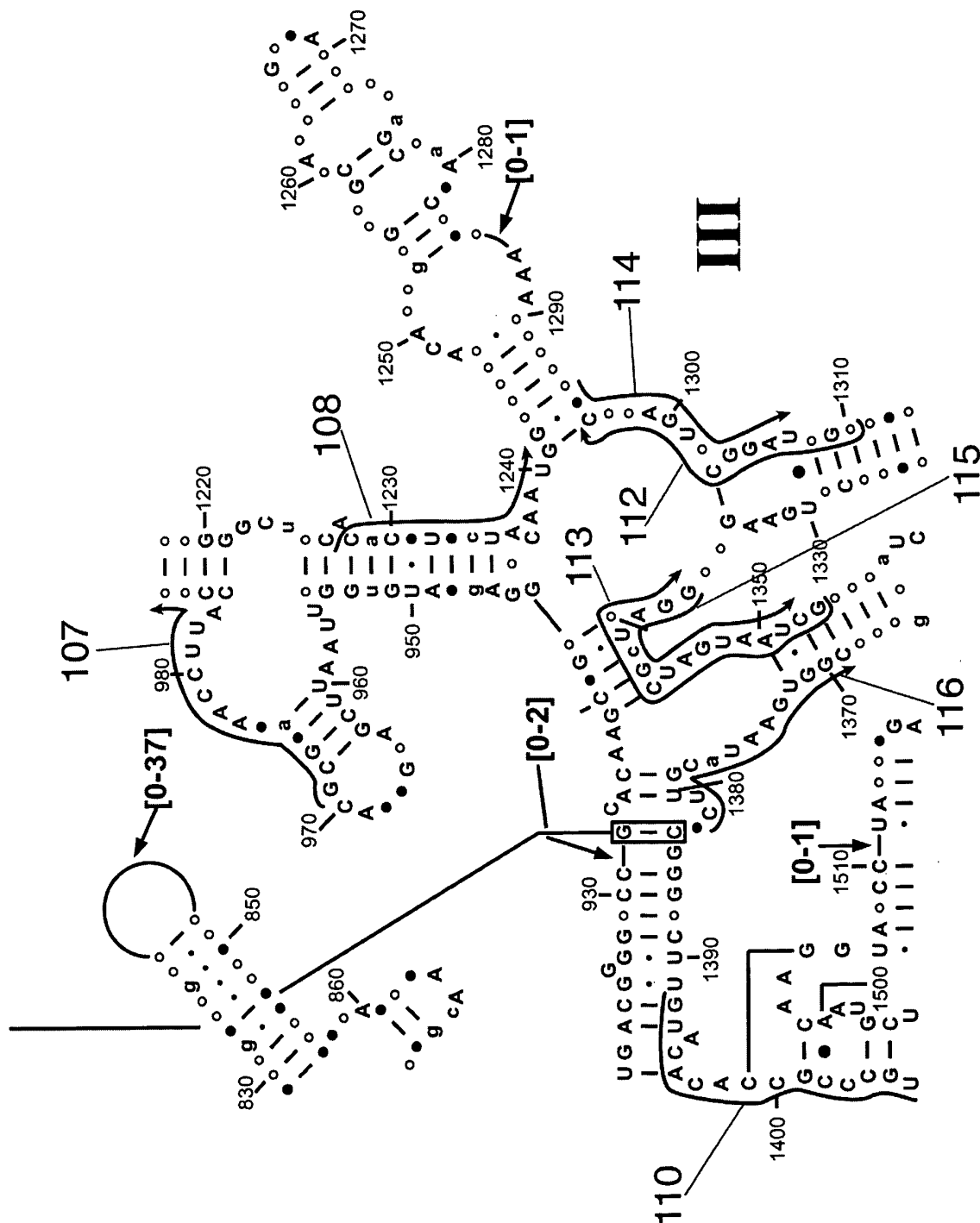
Fig. 1A

APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	



APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

Fig. 1A-2



**Fig. 1A-3**

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

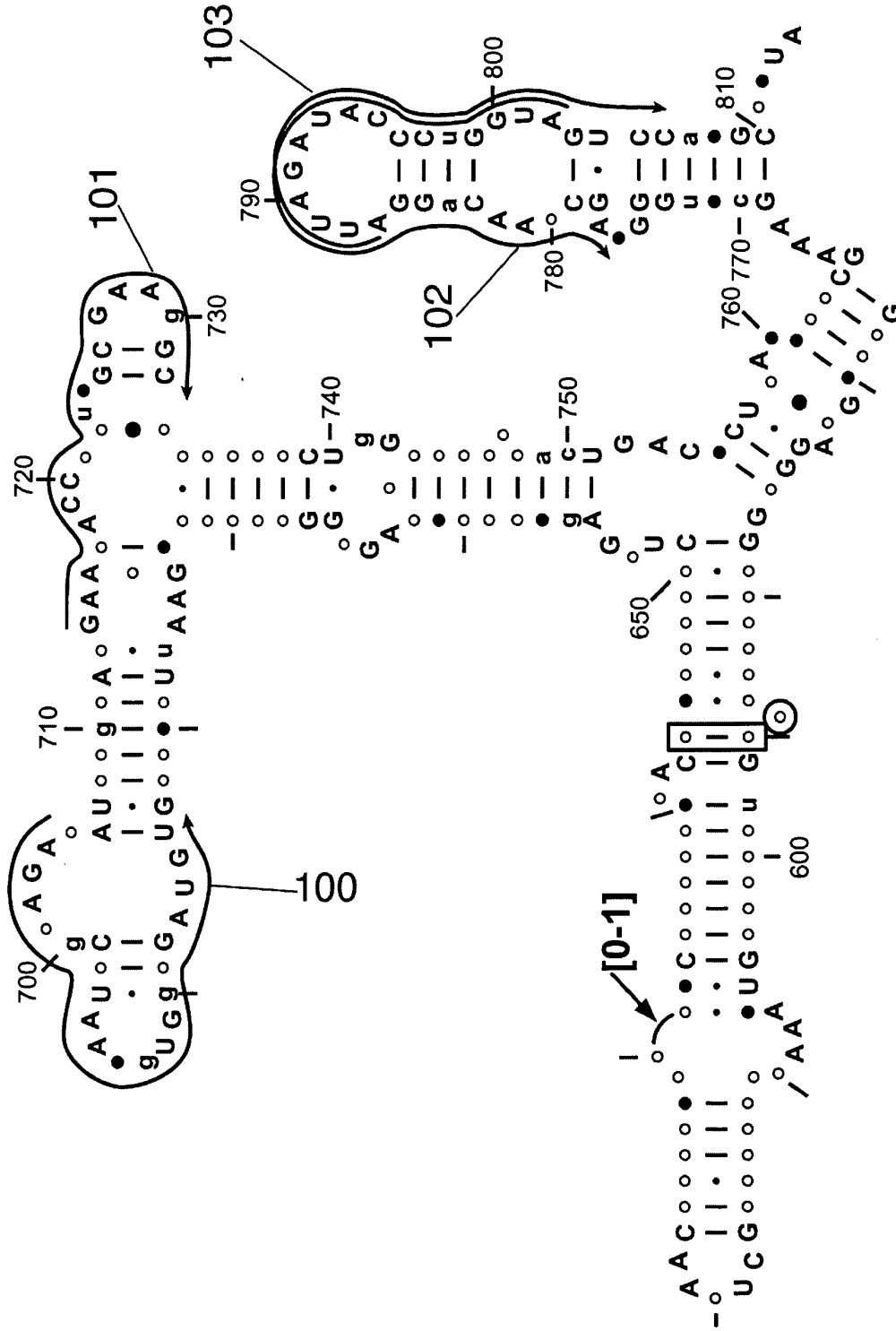
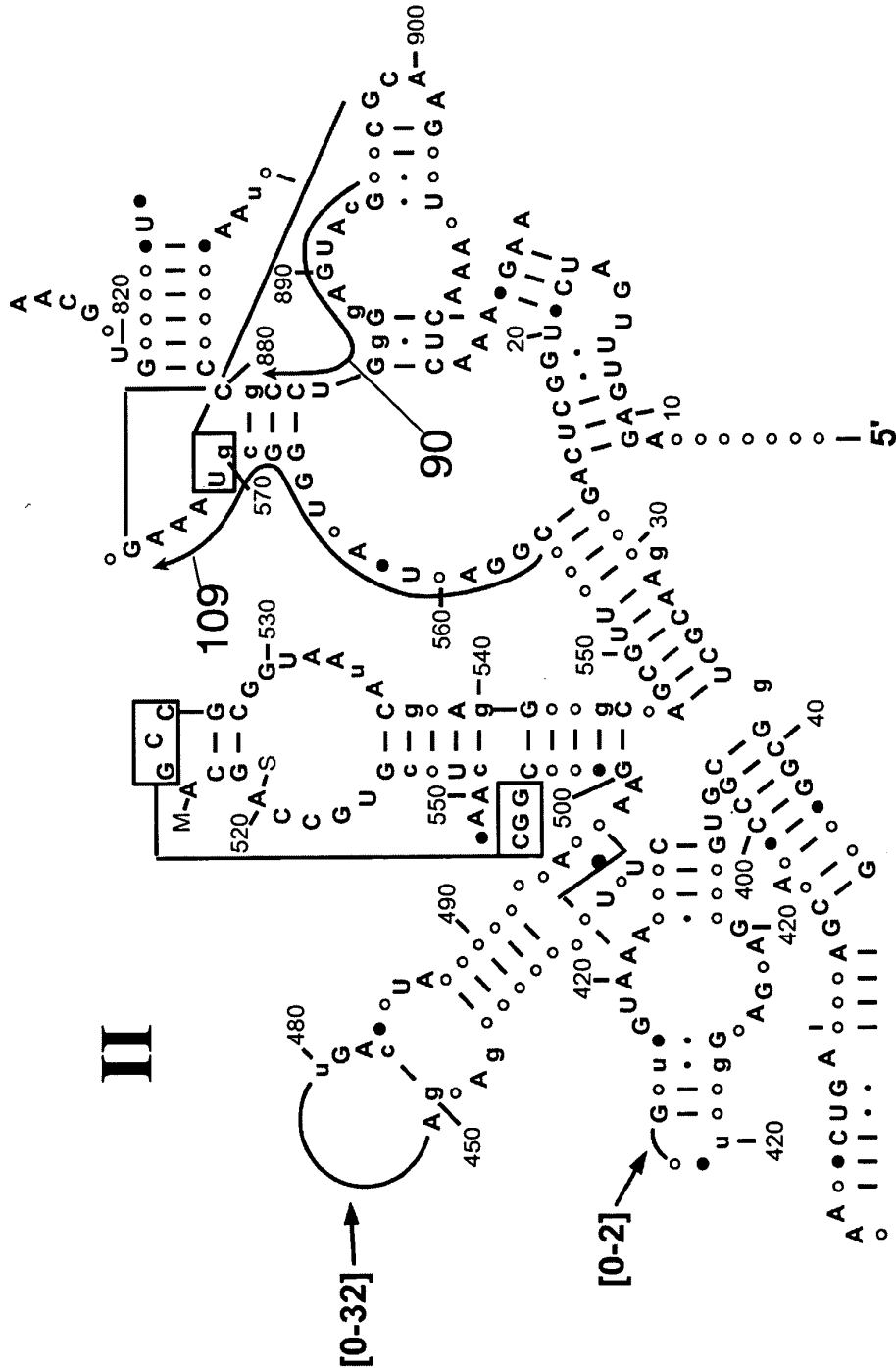


Fig. 1A-4

APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
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**Fig. 1B-1**

APPROVED BY DRAFTSMAN	O.G. FIG.	SUBCLASS
	CLASS	

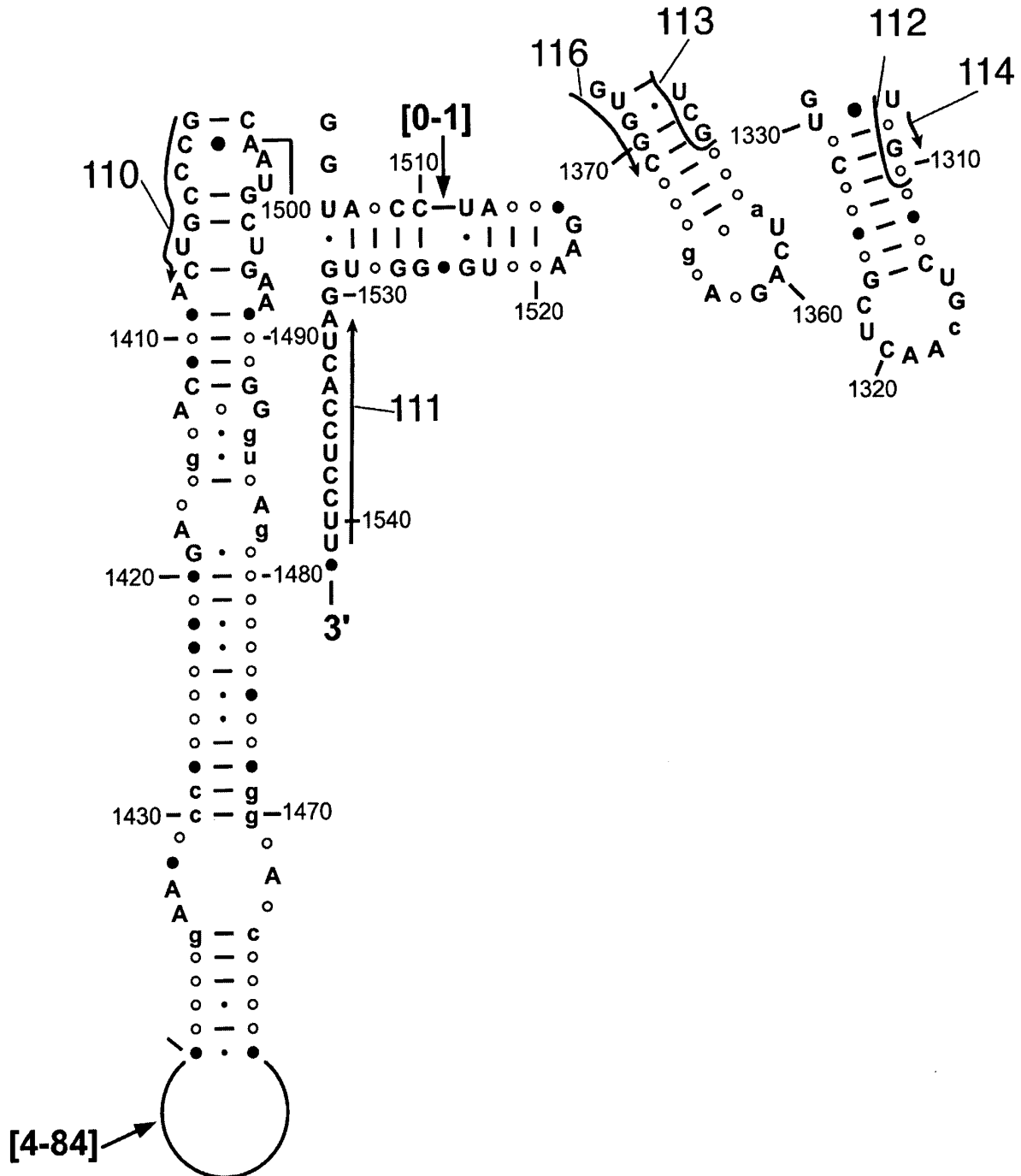
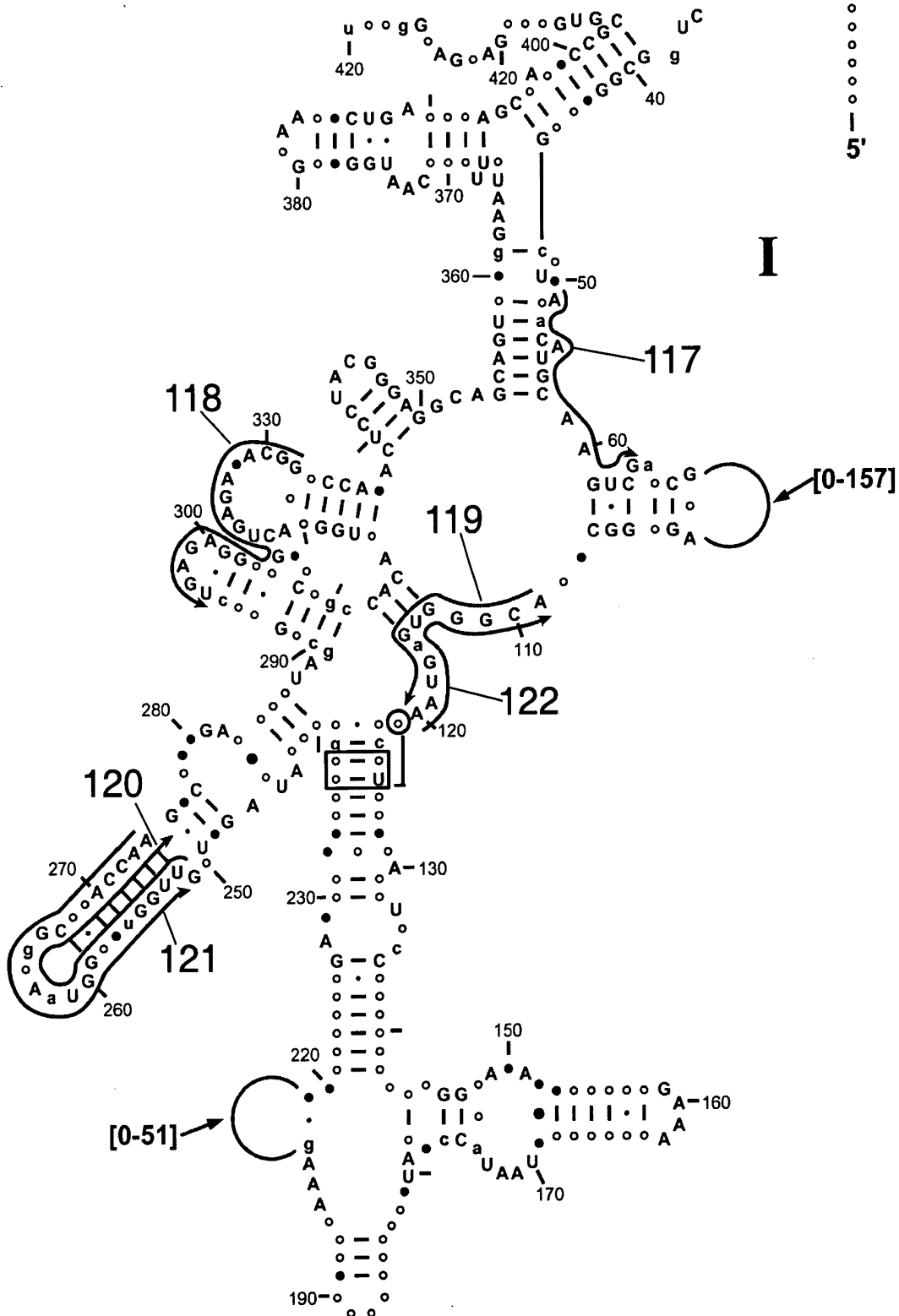


Fig. 1B-2

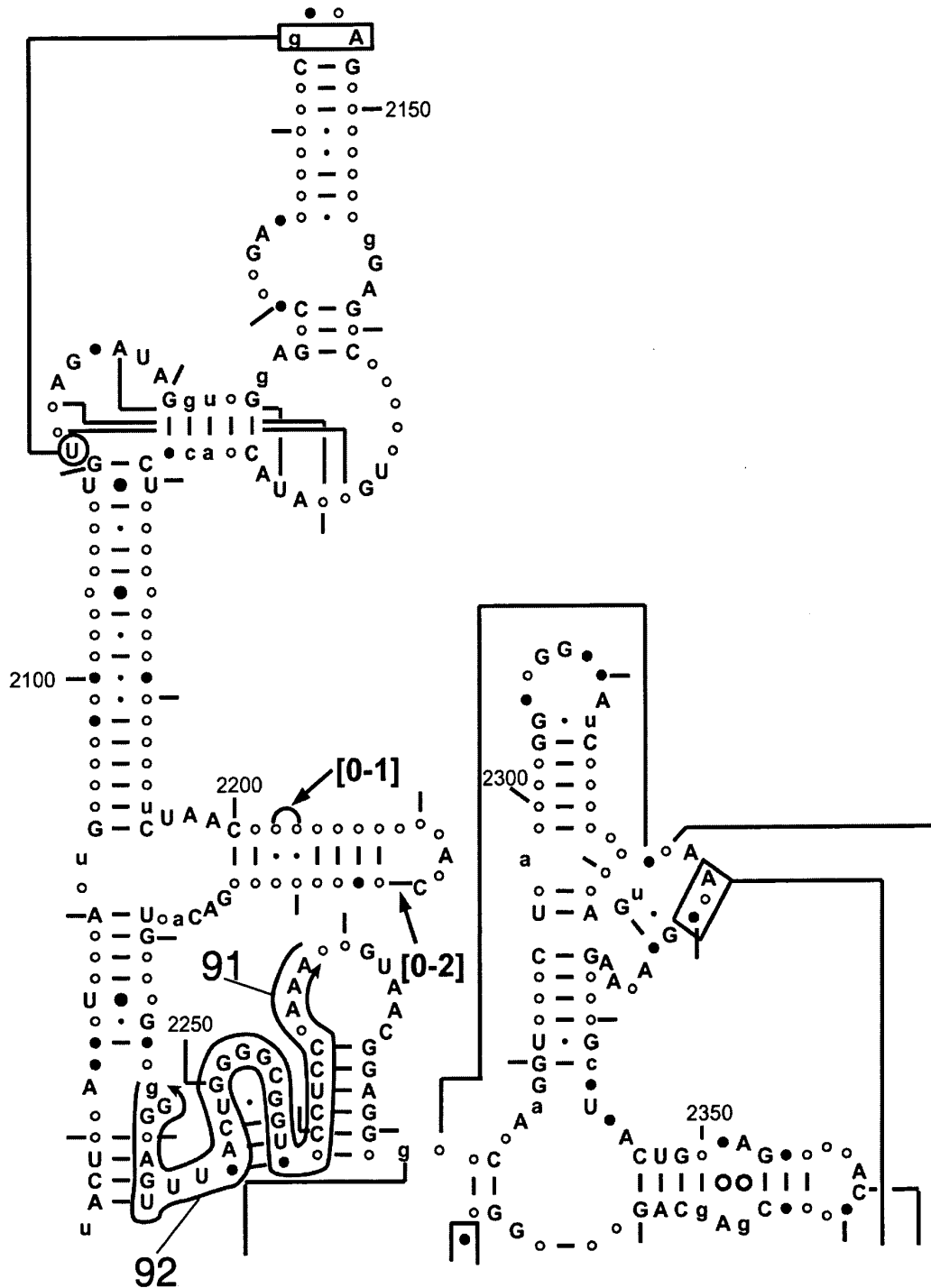
APPROVED	O.G. FIG.	
	CLASS	SUBCLASS
BY	DRAFTSMAN	



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Fig. 1C-1

O.G. FIG.	SUBCLASS
	CLASS
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**Fig. 1C-2**

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

**Note: TA in E. coli replaced with CC so that the reverse complement becomes GG to match with predominant YY**

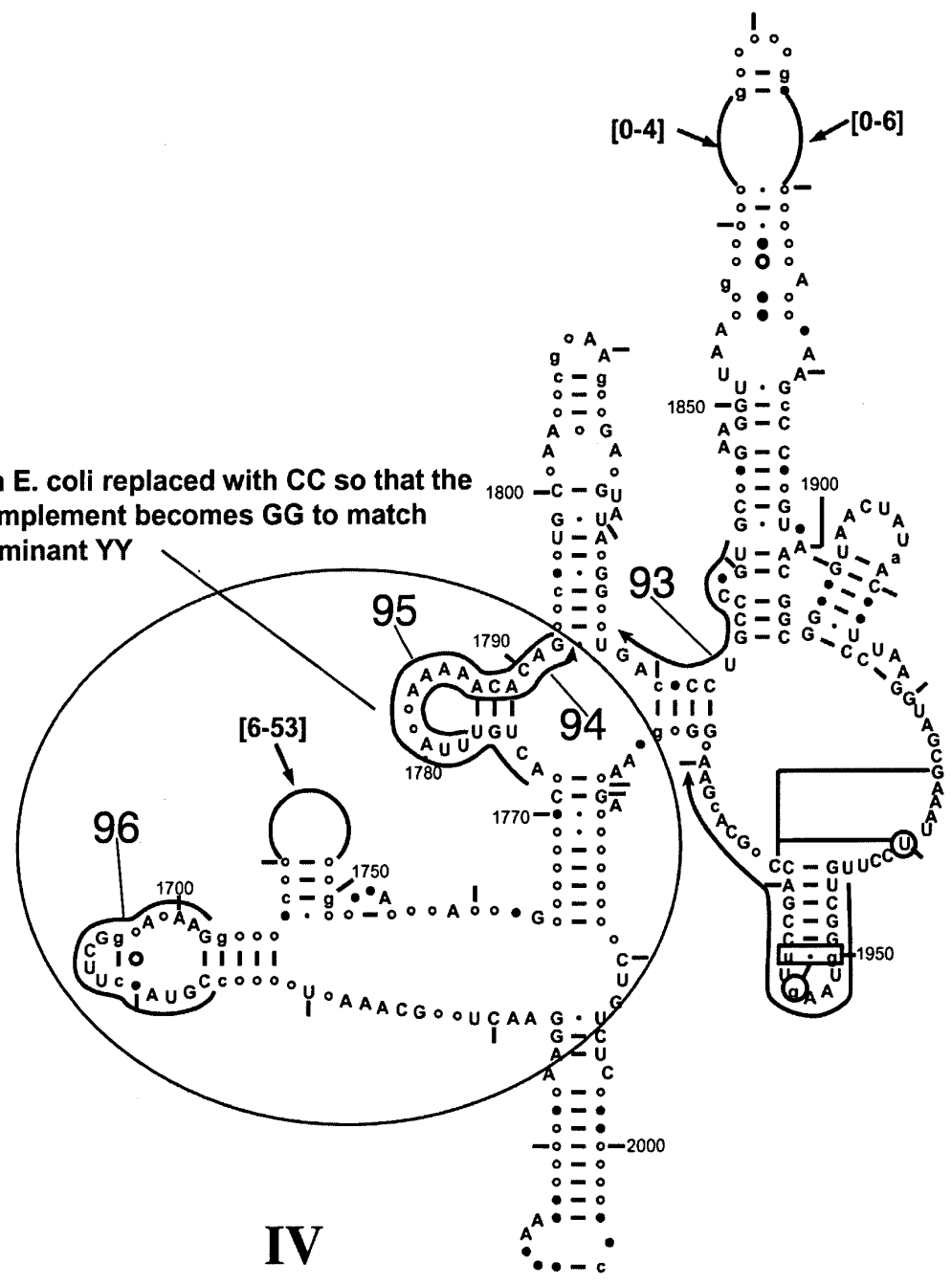
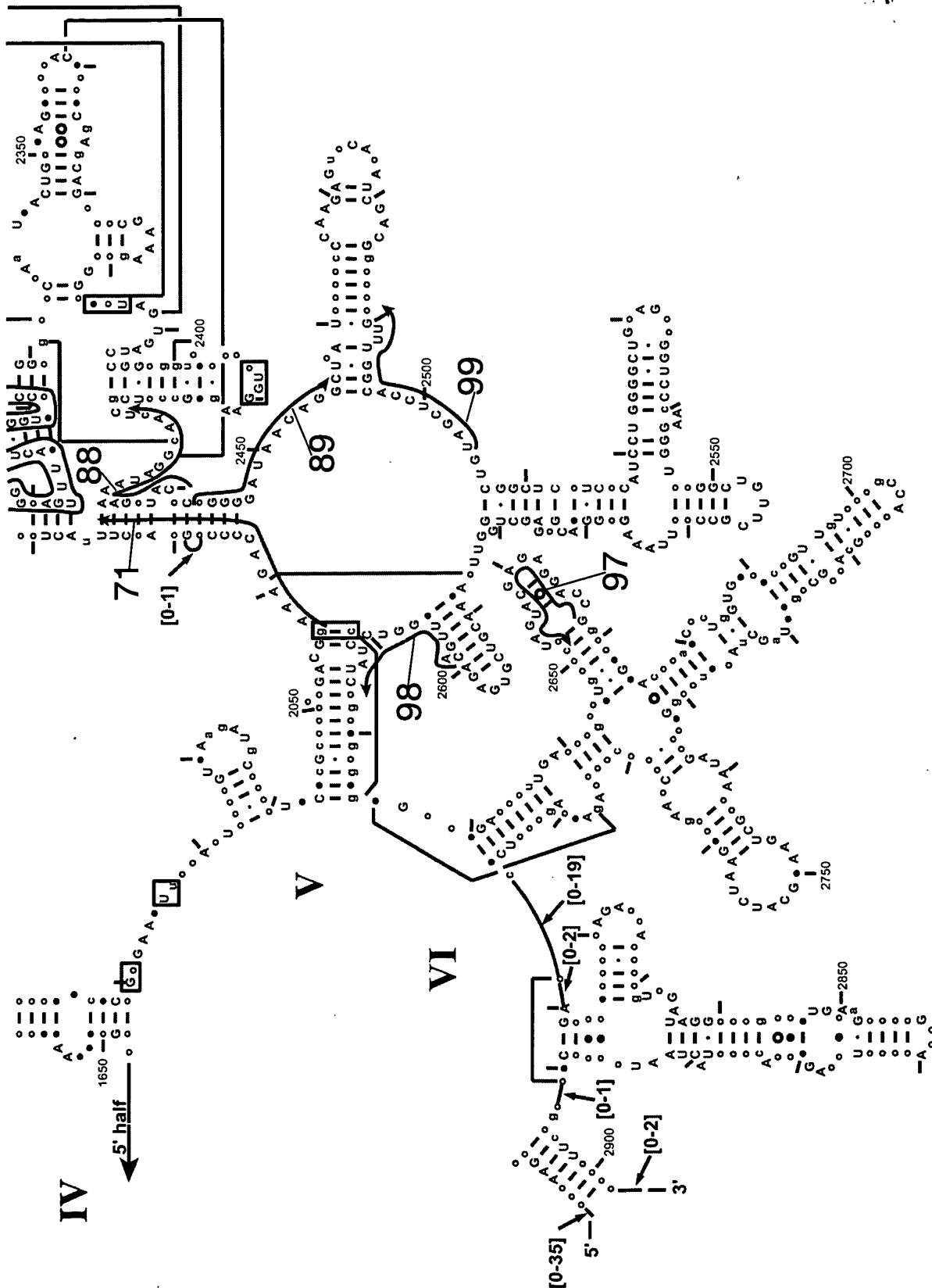
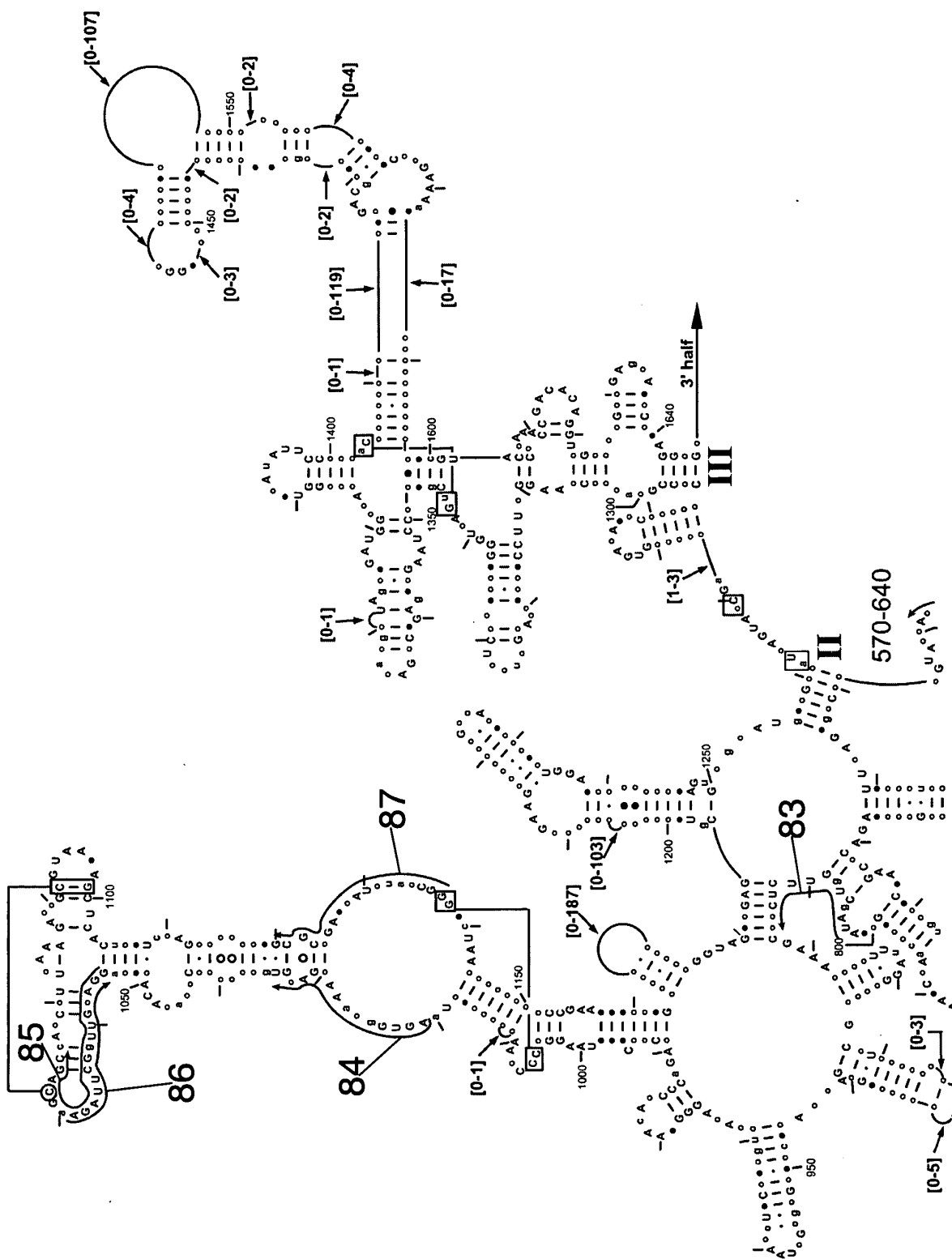




Fig. 1D



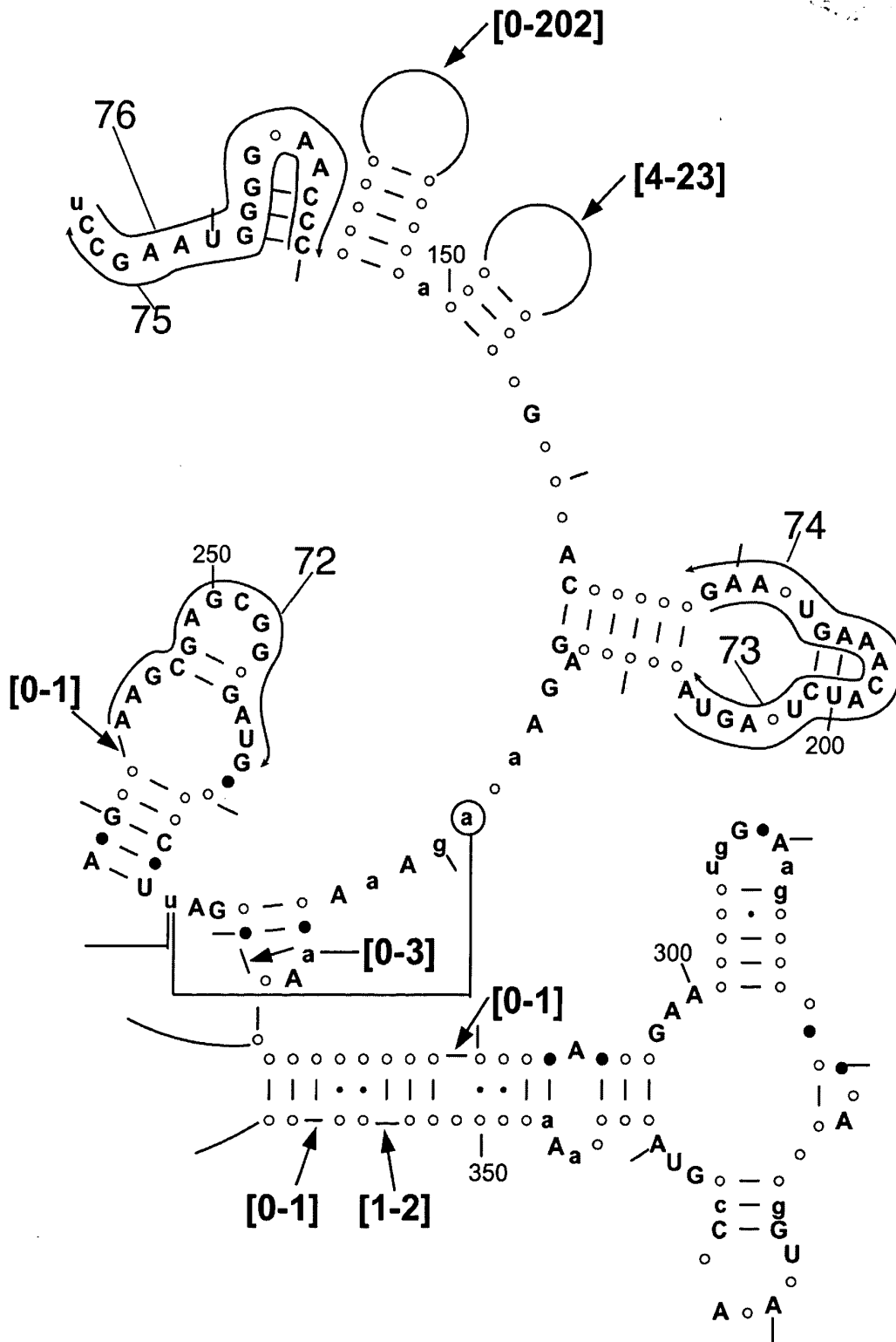
**Fig. 1E**





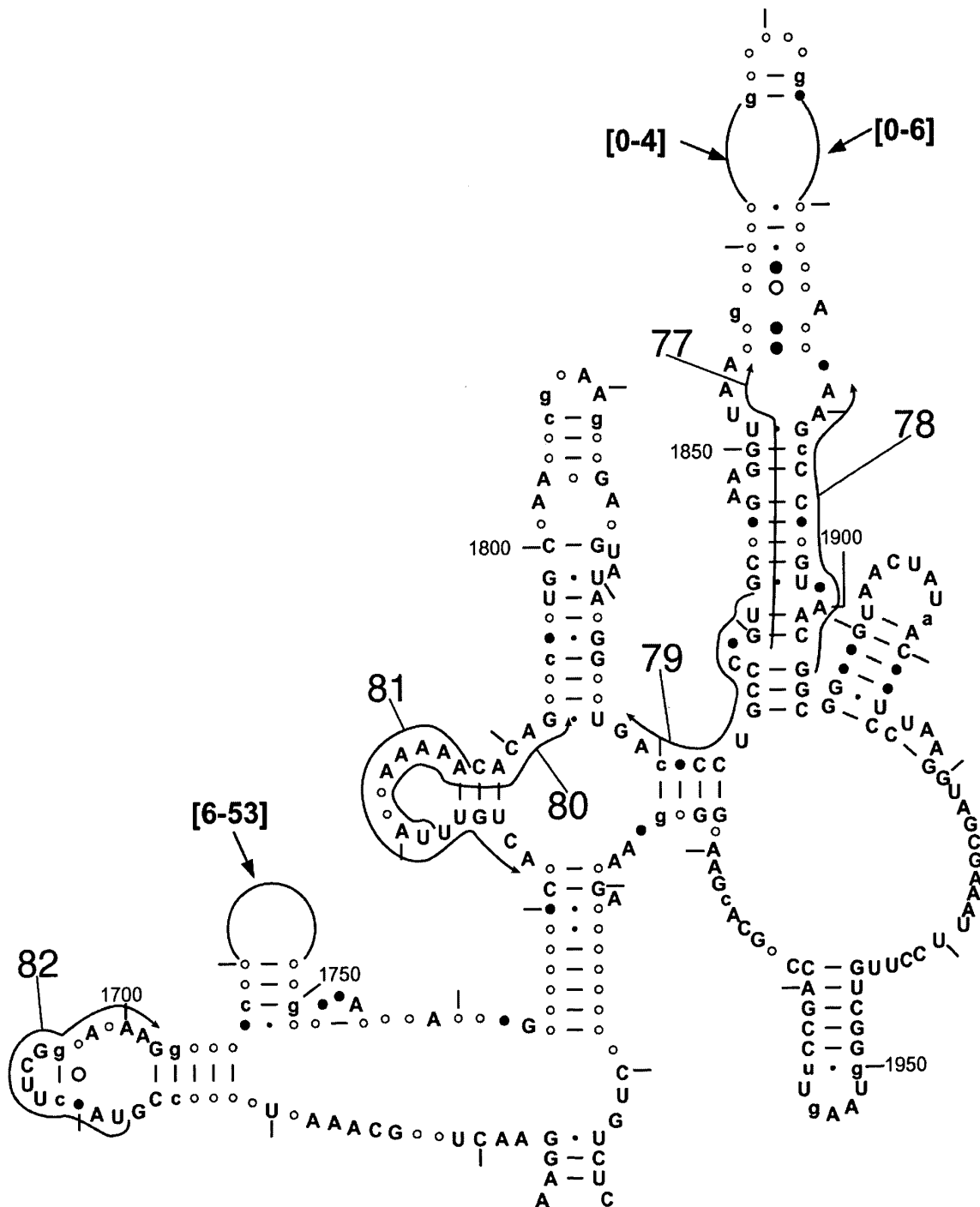
**Fig. 1G**

APPROVED BY DRAFTSMAN	C.G. FIG.	
	CLASS	SUBCLASS

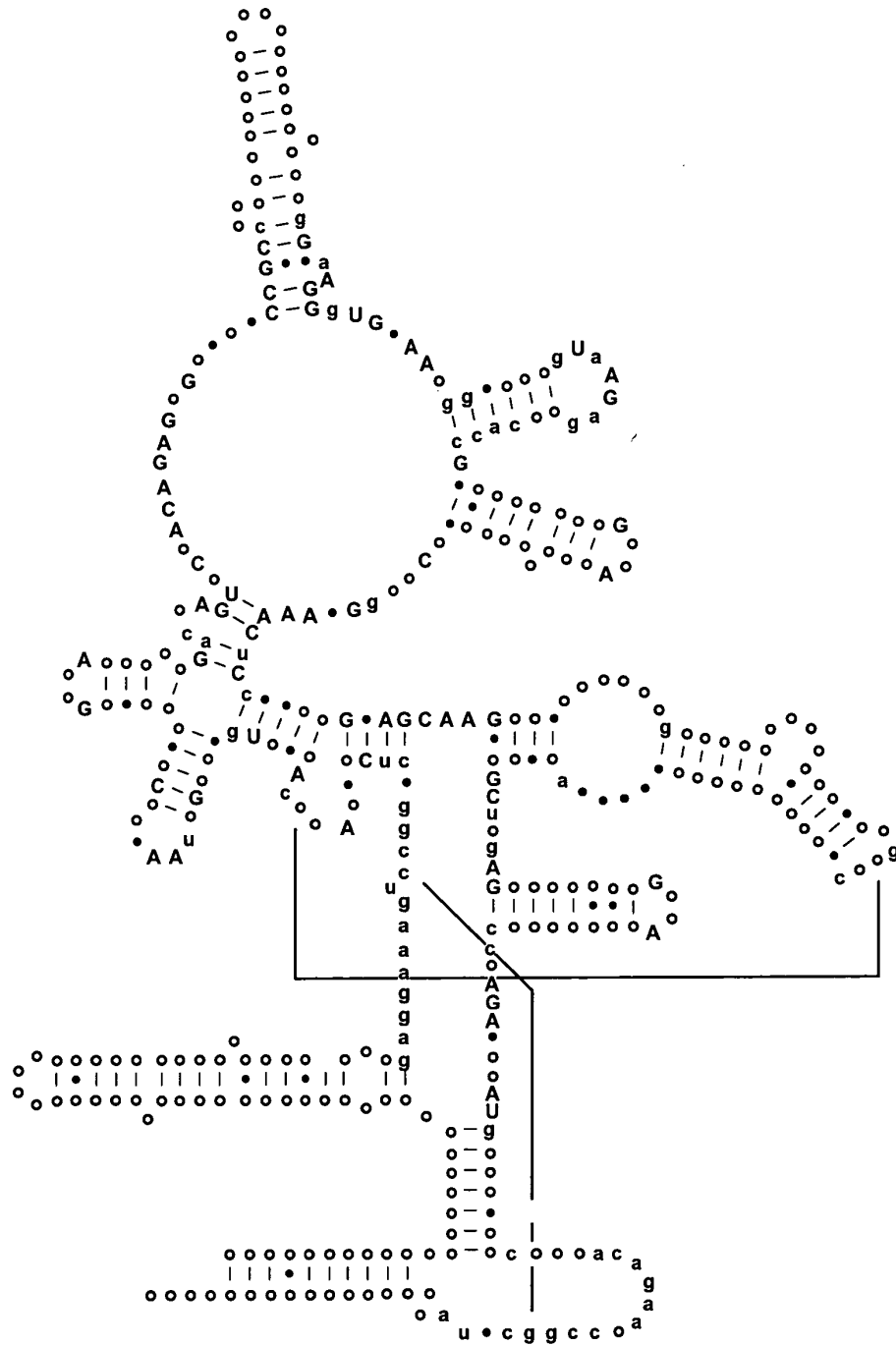


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**Fig. 1H**



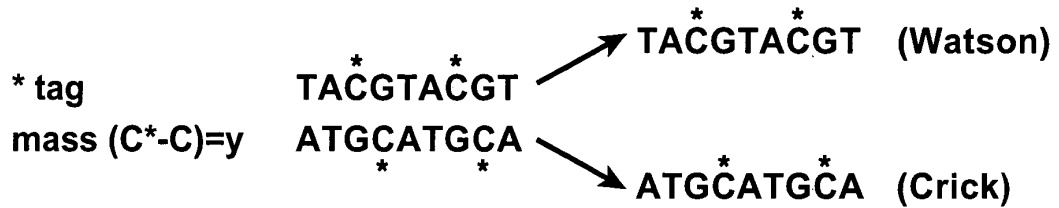
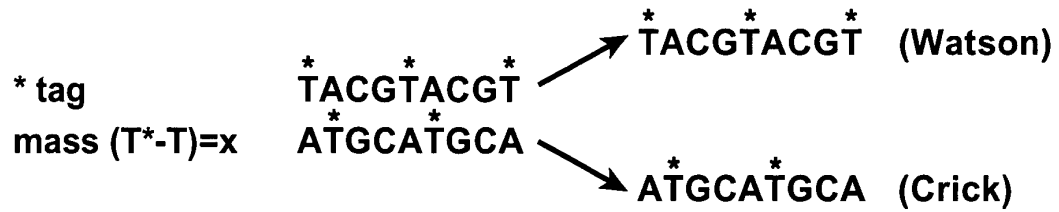




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**Fig. 4**

BY CRAFTSMAN	U. G. FIG.	SUBCLASS
	CLASS	



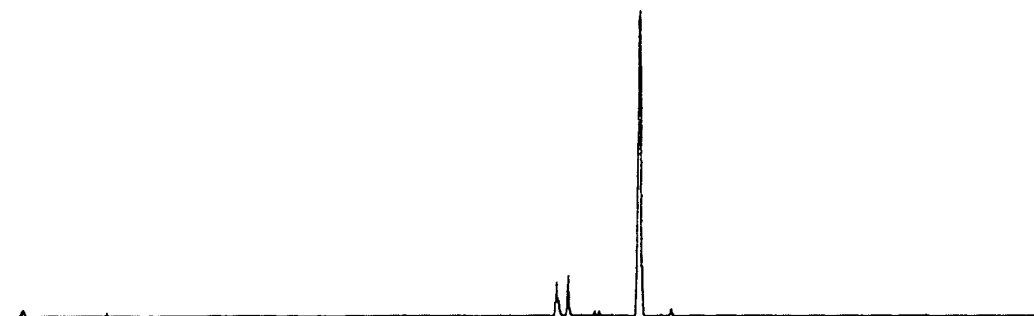


93.07020E

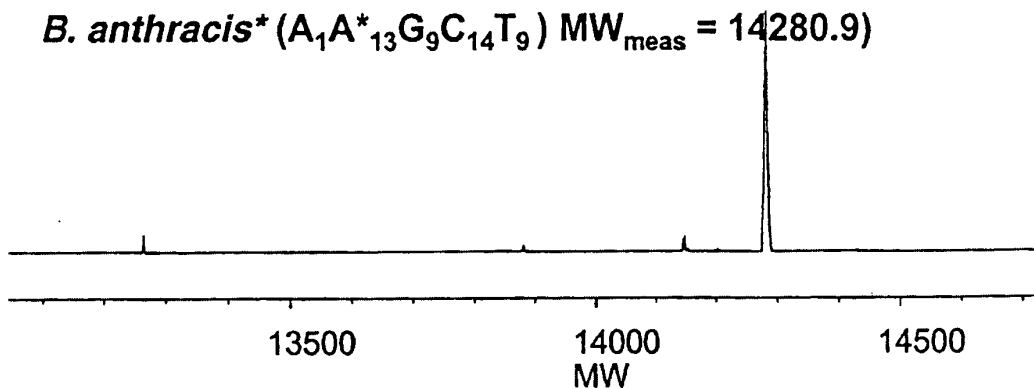
**Fig. 5**

APPROVED BY DRAFTSMAN	O. G. FIG.	
	CLASS	SUBCLASS

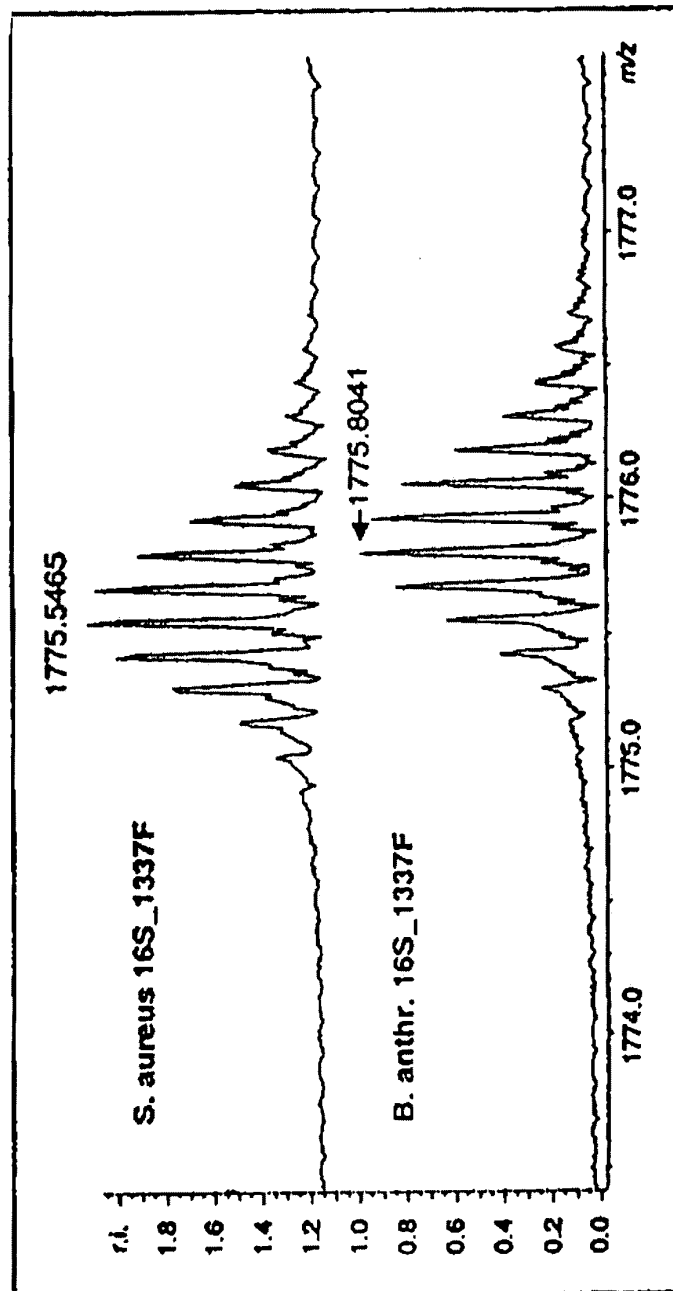
***B. anthracis* ( $A_{14}G_9C_{14}T_9$ )  $MW_{meas} = 14072.2$**

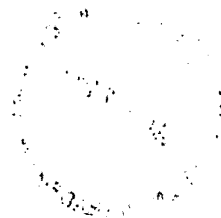


***B. anthracis*\* ( $A_1A^*_{13}G_9C_{14}T_9$ )  $MW_{meas} = 14280.9$**

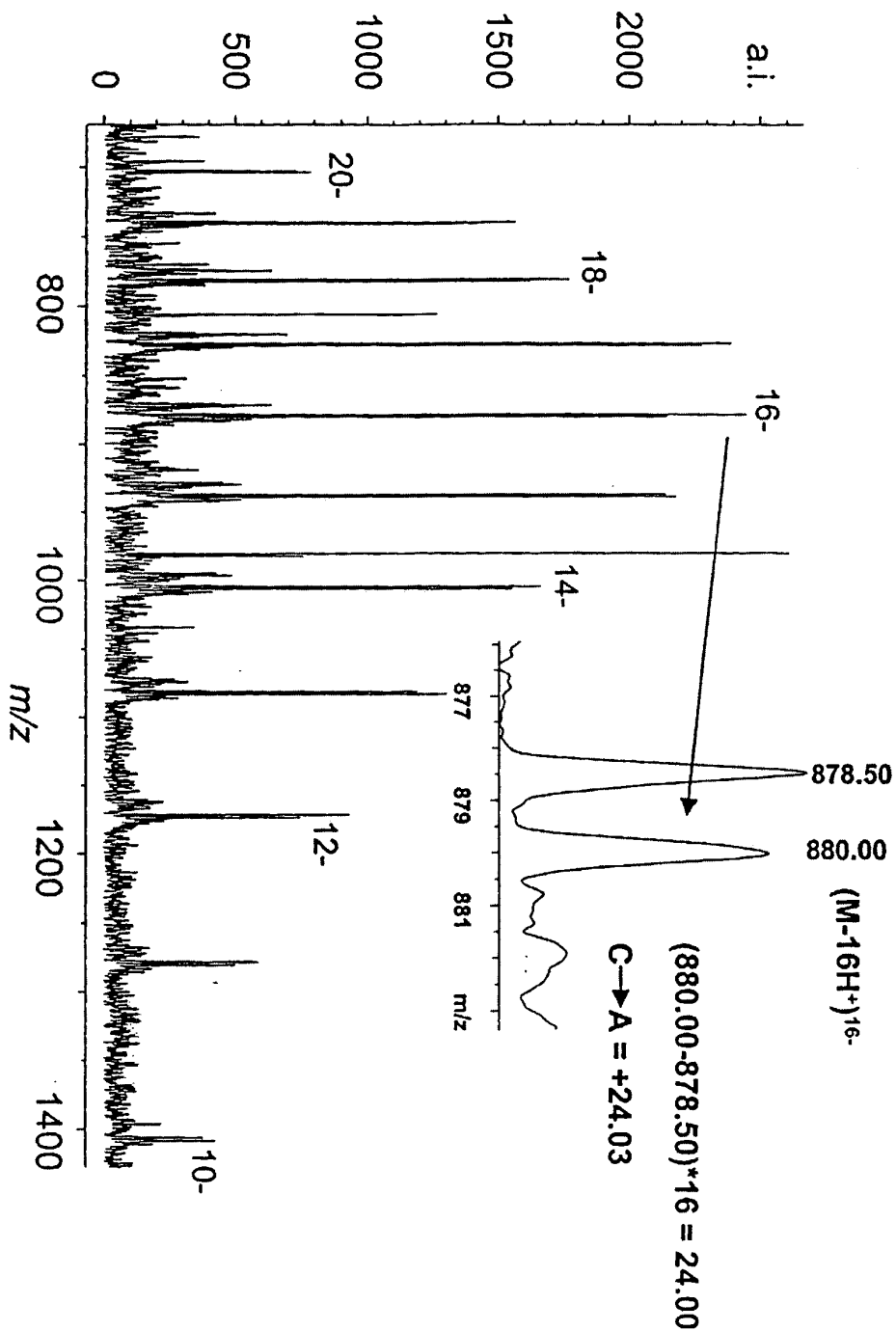


**Fig. 6**

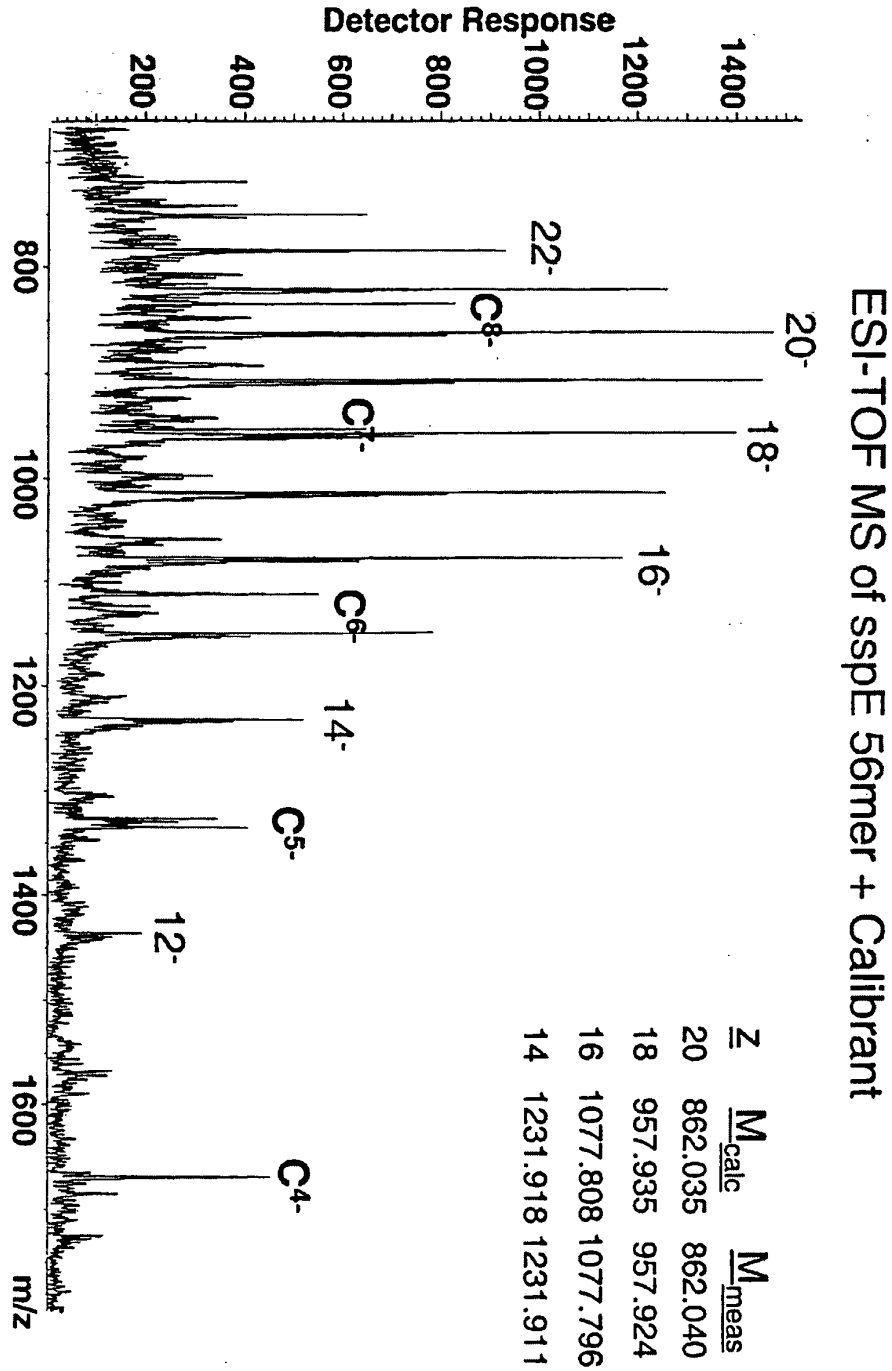




**Fig. 7**

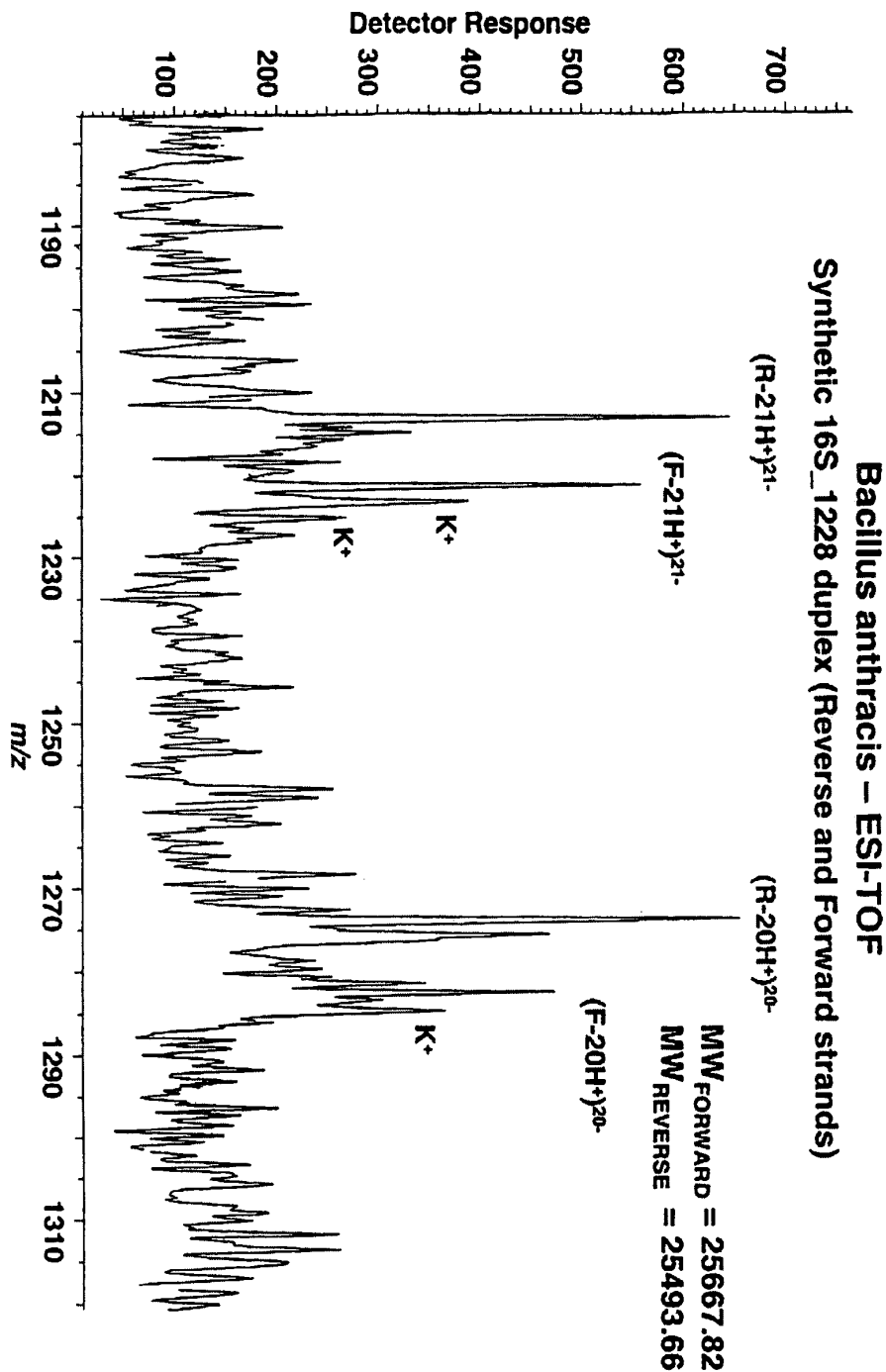


**Fig. 8**



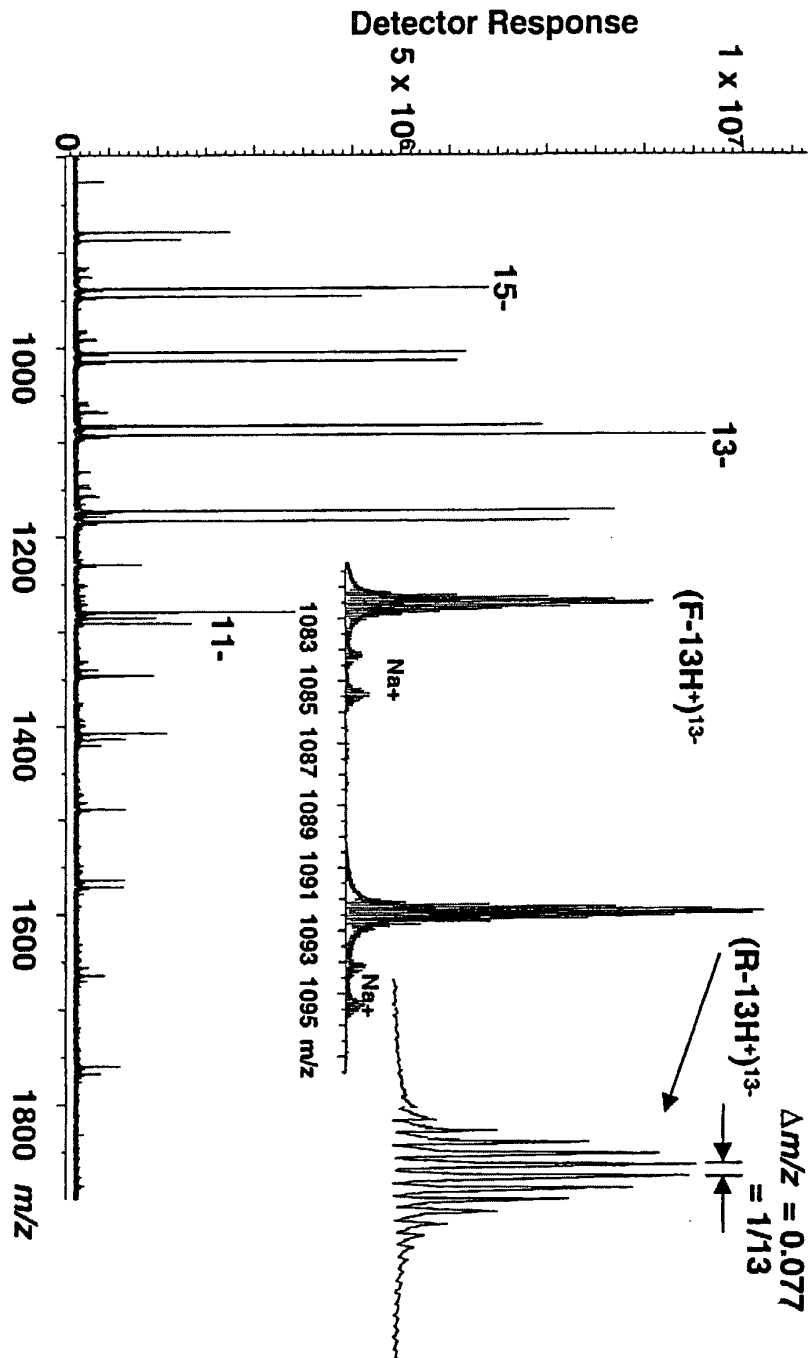


**Fig. 9**



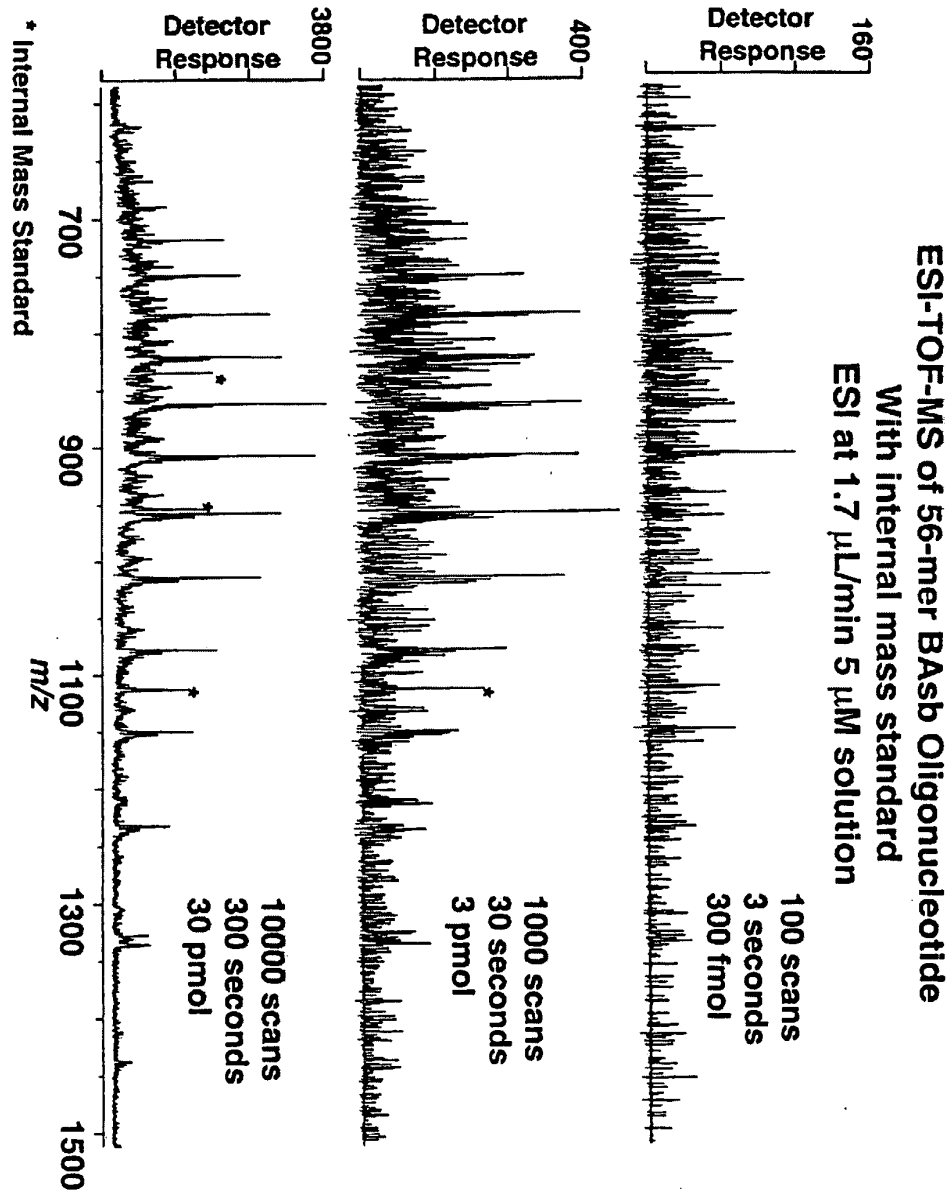


**Fig. 10**



ESI-FTICR-MS of  
 Synthetic *Bacillus anthracis* 16S\_1337 46 bp duplex

**Fig. 11**



**Fig. 12**

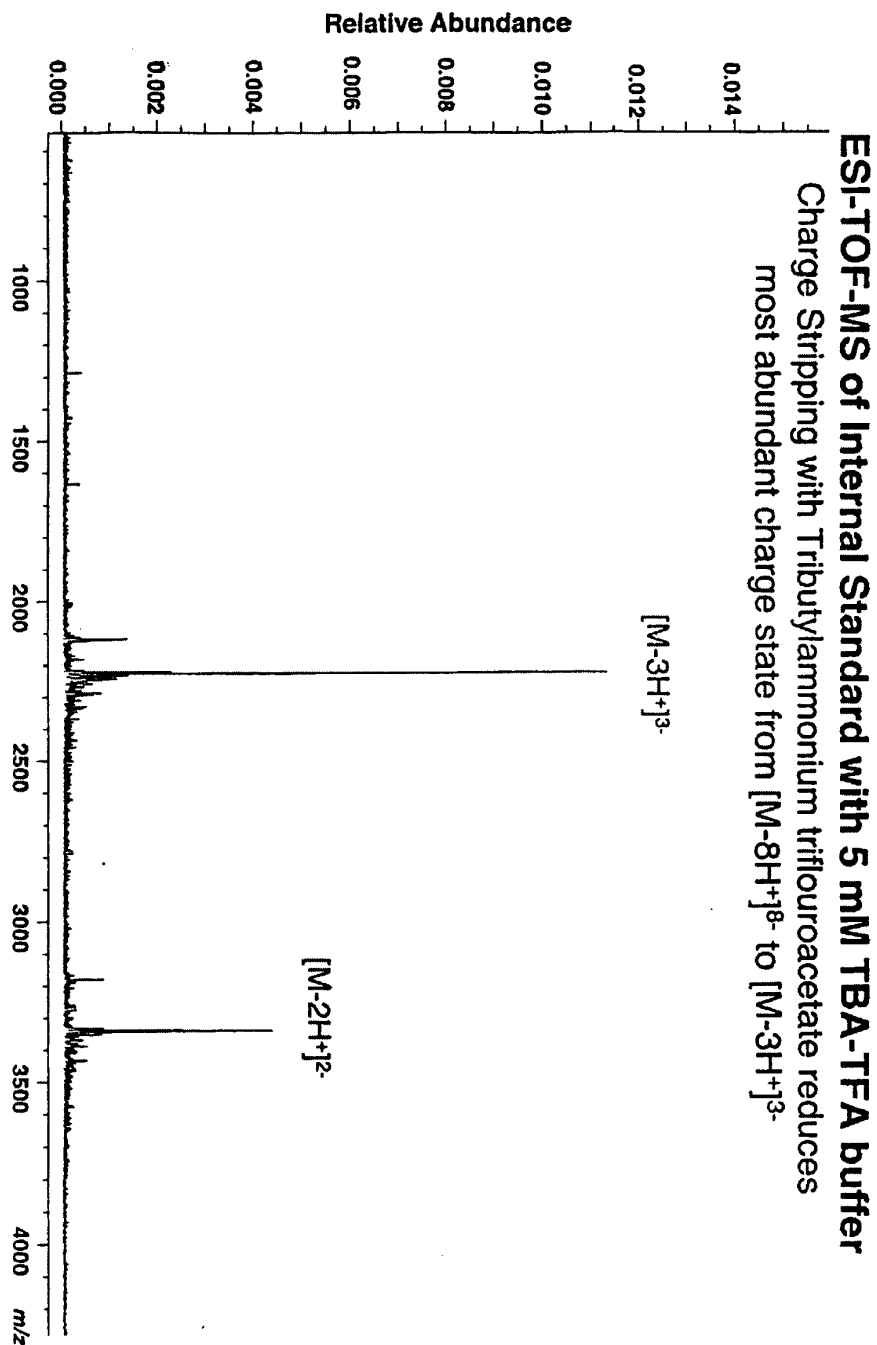
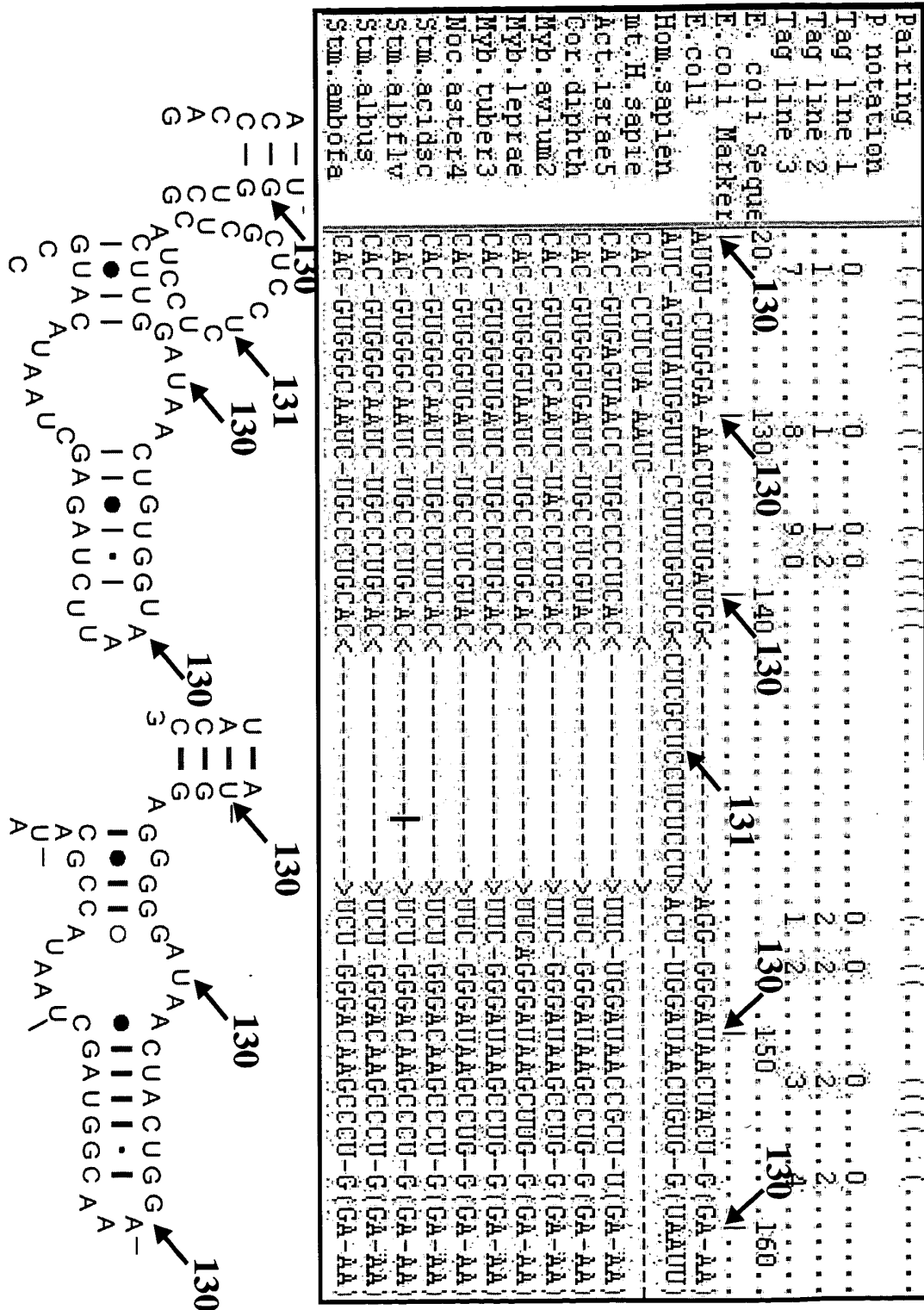


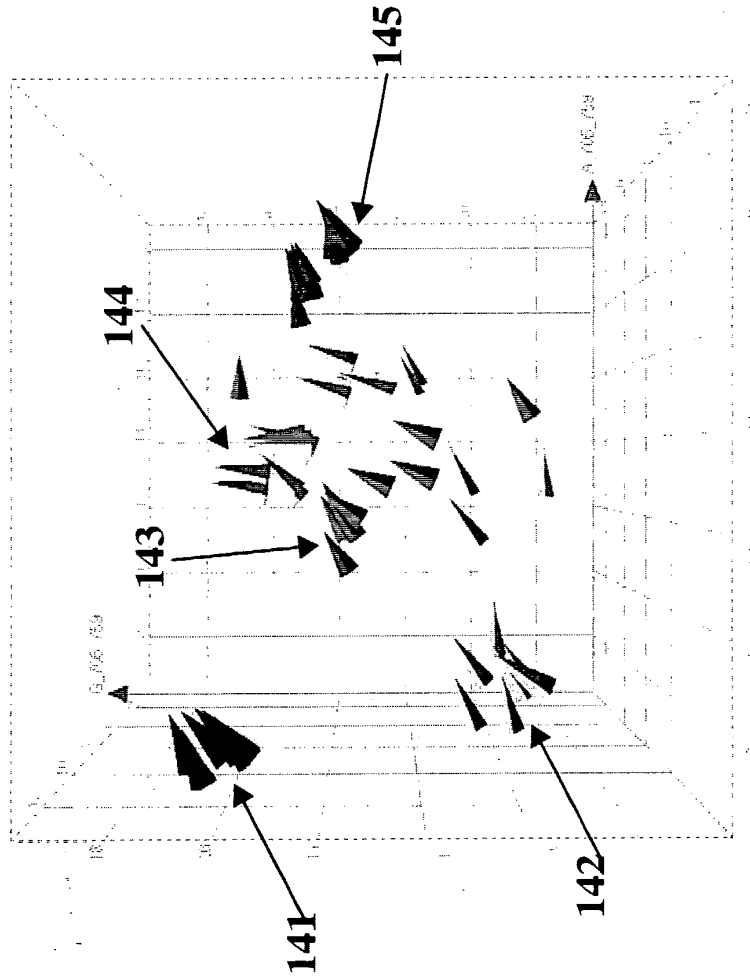


Fig. 13



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APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS



- Picorno RdRp 705-759**
- ☒ Encephalomyocarditis virus
  - ☐ Foot-and-mouth disease virus
  - ☐ Enterovirus
  - ☐ Hepatitis A virus
  - ☒ Polio
  - ☒ Porcine enterovirus
  - ☐ Rhinovirus
  - ☒ Simian Hepatitis A

**Fig. 14**

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**Fig. 15**

APPROVED BY DRAFTSMAN	O. G. FIG.	SUBCLASS
	CLASS	

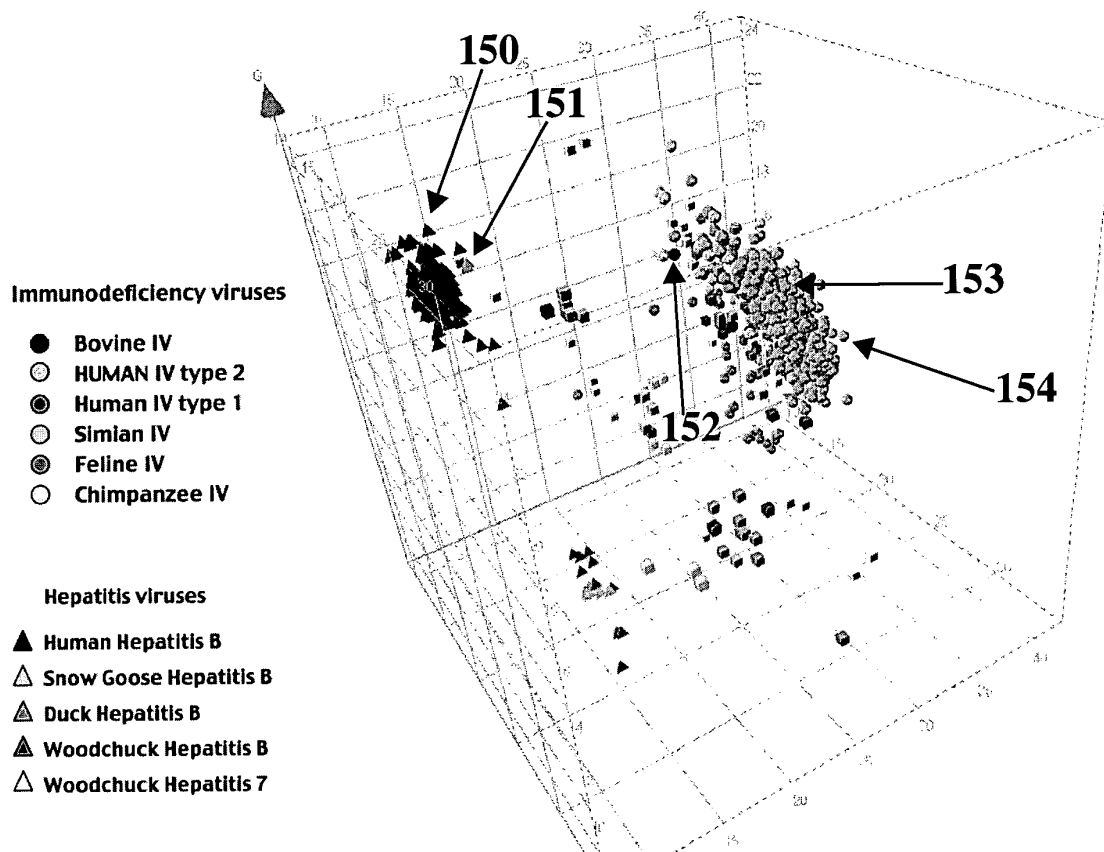
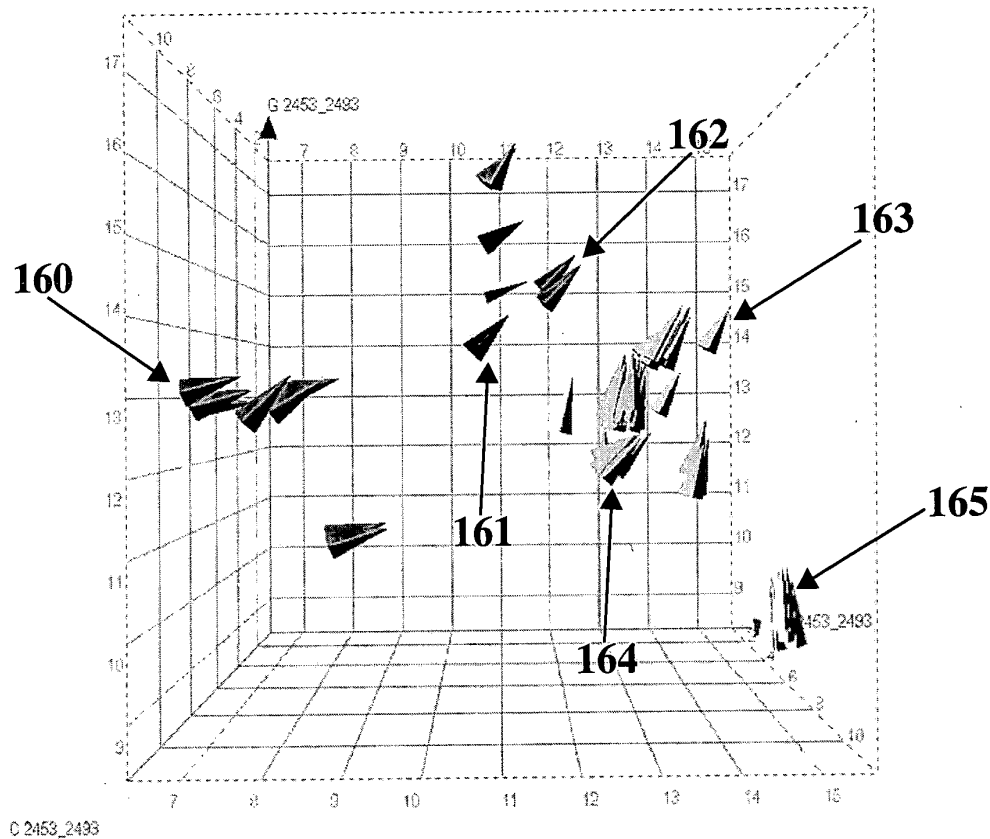


Fig. 16

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS



- |  |  |   |
|--|--|---|
| <p>■ Dengue virus type</p> <p>□ Dengue virus type</p> <p>■ Dengue virus type</p> | <p>■ Japanese encephalitis virus</p> <p>■ Kunjin virus</p> <p>□ Murray valley encephalitis virus</p> | <p>■ Tick-borne encephalitis virus</p> <p>■ West Nile virus</p> <p>□ Yellow fever virus</p> |
|--|--|---|

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**Fig. 17**

O.G. FIG.		
APPROVED	BY	DRAFTSMAN
CLASS		SUBCLASS

